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**TRANSMITTAL
FORM**

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission	Application Number	10/053,968
	Filing Date	01/22/2002
	First Named Inventor	Dennis P. Long et al.
	Patent Number	6,944,394
	Issue Date	09/13/2005
Attorney Docket Number		7377-000048/US

ENCLOSURES (check all that apply)

<input checked="" type="checkbox"/> Fee Transmittal Form <input checked="" type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment / Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Reply to Missing Parts/ Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) ____ <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): Request for Certificate of Correction (3 pages); Certificate of Correction (2 pages); Check in the amount of \$100.00; and Return Receipt Postcard.
Remarks		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm	Harness, Dickey & Pierce, P.L.C.		
Signature			
Printed Name	Kelly K. Burris		
Date	November 7, 2005	Reg. No.	46,361

CERTIFICATE OF TRANSMISSION/MAILING

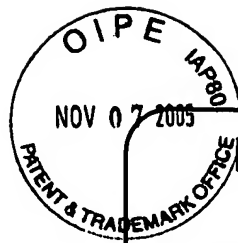
I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.			
Typed or printed name	Kelly K. Burris	Express Mail Label No.	EV 726255452 US
Signature		Date	November 7, 2005

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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NOV 17 2005



FEE TRANSMITTAL for FY 2005

Effective 10/01/2004. Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$) 100.00

Complete if Known	
Application Number	10/053,968
Filing Date	01/22/2002
First Named Inventor	Dennis P. Long et al.
Patent Number	6,944,394
Issue Date	09/13/2005
Attorney Docket No.	7377-000048/US

METHOD OF PAYMENT (check all that apply)		FEE CALCULATION (continued)	
<input checked="" type="checkbox"/> Check <input type="checkbox"/> Credit card <input type="checkbox"/> Money Order <input type="checkbox"/> Other <input type="checkbox"/> None		3. ADDITIONAL FEES	
<input type="checkbox"/> Deposit Account: Deposit Account Number: 08-0750 Deposit Account Name: Harness, Dickey & Pierce, P.L.C.		Large Entity Small Entity	
The Director is authorized to: (check all that apply) <input type="checkbox"/> Charge fee(s) indicated below <input checked="" type="checkbox"/> Credit any overpayments <input checked="" type="checkbox"/> Charge any additional fee(s) or any underpayment of fees under 37 CFR 1.16 and 1.17 <input type="checkbox"/> Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.		Fee Code Fee (\$)	
FEE CALCULATION		Fee Code Fee (\$)	
1. BASIC FILING FEE		Fee Description Fee Paid	
Large Entity Small Entity		1051 130 2051 65 Surcharge - late filing fee or oath	
Fee Code Fee (\$)		1052 50 2052 25 Surcharge - late provisional filing fee or cover sheet.	
1011 300 2011 150 Utility filing fee		1053 130 2053 130 Non-English specification	
1012 200 2012 100 Design filing fee		1812 2,520 2012 2,520 For filing a request for reexamination	
1013 200 2013 100 Plant filing fee		1804 920* 2014 920* Requesting publication of SIR prior to Examiner action	
1014 300 2014 150 Reissue filing fee		1805 1,840* 2015 1,840* Requesting publication of SIR after Examiner action	
1005 200 2005 100 Provisional filing fee		1251 120 2251 60 Extension for reply within first month	
SUBTOTAL (1) (\$ 0)		1252 450 2252 225 Extension for reply within second month	
2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE		1253 1020 2253 510 Extension for reply within third month	
Total Claims -20** = 0 X Fee from below = 0		1254 1,590 2254 795 Extension for reply within fourth month	
Independent Claims -3** = 0 X Fee from below = 0		1255 2,160 2255 1080 Extension for reply within fifth month	
Multiple Dependent = 0		1401 500 2401 250 Notice of Appeal	
Large Entity Small Entity		1402 500 2402 250 Filing a brief in support of an appeal	
Fee Code Fee (\$)		1403 1000 2403 500 Request for oral hearing	
1202 50 2202 25 Claims in excess of 20		1452 500 2452 250 Petition to revive - unavoidable	
1201 200 2201 100 Independent claims in excess of 3		1453 1500 2453 750 Petition to revive - unintentional	
1203 360 2203 180 Multiple dependent claim, if not paid		1501 1400 2501 700 Utility issue fee (or reissue)	
1204 200 2204 100 ** Reissue independent claims over original patent		1502 800 2502 400 Design issue fee	
1205 50 2205 25 ** Reissue claims in excess of 20 and over original patent		1460 130 2460 130 Petitions to the Commissioner	
SUBTOTAL (2) (\$ 0)		1807 50 2807 50 Processing fee under 37 CFR 1.17 (q)	
**or number previously paid, if greater; For Reissues, see above		1806 180 2806 180 Submission of Information Disclosure Stmt	
		8021 40 28021 40 Recording each patent assignment per property (times number of properties)	
		1809 790 2809 395 Filing a submission after final rejection (37 CFR § 1.129(a))	
		1810 790 2810 395 For each additional invention to be examined (37 CFR § 1.129(b))	
		1801 790 2801 395 Request for Continued Examination (RCE)	
		Other fee (specify) Certificate of Correction Fee 100	
		*Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$ 100)	
		4. SEARCH/EXAMINATION FEES	
		1111 500 2111 250 Utility Search Fee	
		1112 100 2112 50 Design Search Fee	
		1113 300 2113 150 Plant Search Fee	
		1114 500 2114 250 Reissue Search Fee	
		1311 200 2311 100 Utility Examination Fee	
		1312 130 2312 65 Design Examination Fee	
		1313 160 2313 80 Plant Examination Fee	
		1314 600 2314 300 Reissue Examination Fee	
		SUBTOTAL (4) (\$ 0)	

SUBMITTED BY		Complete (if applicable)	
Name (Print/Type)	Kelly K. Burris	Registration No. (Attorney/Agent)	46,361
Signature	<i>Kelly K. Burris</i>	Telephone	(314) 726-7500
		Date	November 7, 2005

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

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NOV 17 2005

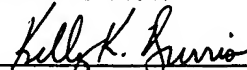


PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

CERTIFICATE OF MAILING UNDER 37 CFR 1.8

I hereby certify that this correspondence is being deposited with the U.S. Postal Service on November 7, 2005, with sufficient postage as first class mail (including Express Mail per MPEP § 512), and addressed to: Certificate of Correction Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.



Kelly K. Burns, Registration No. 46,361

Patent No. : 6,944,394 *B2*

Issued: September 13, 2005

Inventors: Dennis P. Long et al.

For: Rapid Response Electric Heat Exchanger

Attorney Docket: 7377-000048/US

Certificate of Correction Branch
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

REQUEST FOR CERTIFICATE OF CORRECTION UNDER 37 C.F.R. §1.323

Applicants respectfully request that the Commissioner issue a Certificate of Correction to correct the following errors in the above-referenced patent:

Claim 1 should be amended to

- (1) replace "generation" with "generating" at column 12, line 28;
- (2) replace "lest" with "least" at column 12, line 33;
- (3) replace "and axial curvature" with "an axial curvature" at column 12, line 33.

Claim 3 should be amended to replace "tube" with "tubes" at column 12, line 49.

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100.00 DP

NOV 17 2005

Handwritten: 6944394 B2

Claim 7 should be amended to replace "surface" with "surfaces" at column 13, line 2.

Claim 9 should be amended to insert "a" between "of" and "compact construction" at column 13, line 7.

Claim 10 should be amended to insert "and" between ";" and "wherein" at column 13, line 16.

Claim 15 should be amended to replace "outside tube" with "inside tube" at column 13, line 37.

Claim 18 should be amended to replace "hollow inside tube" with " hollow outside tube" at column 13, line 54.

Claim 28 should be amended to replace "and axial curvature" with "an axial curvature" at column 14, line 36.

Claim 33 should be amended to insert "and" between "surface" and "including" at column 14, line 67.

* * * * *

Applicants have enclosed Form PTO/SB/44 showing the necessary corrections to the patent. The errors are a result of Applicants' inadvertent typographical mistakes. These errors meet the criteria of 35 U.S.C. § 255 in that they are clerical, typographical, or minor in nature, and the corrections do not constitute new matter or require reexamination.

Applicants also have enclosed the \$100.00 fee set forth in 37 C.F.R. §1.20(a). Applicants believe that they do not owe any other fee with this request. If, however, Applicants do owe a fee, the Commissioner is hereby authorized to charge the deficiency or overpayment to Deposit Account No. 08-0750. In addition, if there is ever any other fee deficiency or overpayment in connection with this patent, the

Commissioner is hereby authorized to charge such deficiency or overpayment to
Deposit Account No. 08-0750.

Respectfully submitted,

Dated: 07 NOV 05

By: Kelly K. Burris
Kelly K. Burris
Reg. No. 46, 361

HARNESS, DICKEY & PIERCE, P.L.C.
7700 Bonhomme Rd.
Suite 400
St. Louis, MO 63105
(314) 726-7500

UNITED STATES PATENT AND TRADEMARK OFFICE

CERTIFICATE OF CORRECTION

PATENT NO : 6,944,394 B2

DATED : September 13, 2005

INVENTOR(S) : Dennis P. Long et al.

It is certified that errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Claim 1

Column 12, line 28

Please replace "generation" with "generating".

Column 12, line 33

(1) Please replace "lest" with "least".

(2) Please replace "and axial curvature" with "an axial curvature".

Claim 3

Column 12, line 49

Please replace "tube" with "tubes".

Claim 7

Column 13, line 2

Please replace "surface" with "surfaces".

Claim 9

Column 13, line 7

Please insert "a" between "of" and "compact construction".

MAILING ADDRESS OF SENDER: Harness, Dickey & Pierce, P.L.C.
7700 Bonhomme, Suite 400
St. Louis, MO 63105

PATENT NO. 6,944,394 B2



This collection of information is required by 37 CFR 1.322 and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 C.F.R. 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending on the individual case. Any comment on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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NOV 17 2005

UNITED STATES PATENT AND TRADEMARK OFFICE

CERTIFICATE OF CORRECTION

PATENT NO : 6,944,394 B2

DATED : September 13, 2005

INVENTOR(S) : Dennis P. Long et al.

It is certified that errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Claim 10

Column 13, line 16

Please insert "and" between ":", and "wherein".

Claim 15

Column 13, line 37

Please replace "outside tube" with "inside tube".

Claim 18

Column 13, line 54

Please replace "hollow inside tube" with "hollow outside tube".

Claim 28

Column 14, line 36

Please replace "and axial curvature" with "an axial curvature".

Claim 33

Column 14, line 67

Please replace "surface including" with "surface and including".

MAILING ADDRESS OF SENDER: Harness, Dickey & Pierce, P.L.C.
7700 Bonhomme, Suite 400
St. Louis, MO 63105

PAGE 2
PATENT NO. 6,944,394 B2

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